

## APPARATUS FOR PROVIDING HEAD AMPLITUDE CHARACTERIZATION

### ABSTRACT

An apparatus for providing head amplitude characterization is disclosed. A DAC  
5 is used to apply known signals to a variable gain amplifier in the front end of a read  
channel. The signal is processed through the read channel and at the output of an ADC,  
the signal is read and used to determine the input channel amplitude. Knowing the  
amplitude of the two input signals, the ADC code spread and the two VGA gain codes, an  
equation is generated for determining the amplitude of a head.